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Type: **Early Career Scientist**

Science from high density galaxy samples with DESI-II

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DESI is pushing the boundaries in terms of the depth and number of spectroscopic redshifts being collected. The ambitious DESI-II and Spec5 programs will collect even larger samples of deep spectra for intermediate-mass galaxies at $z < 1$. These samples will greatly serve to improve our understanding of the connection between galaxies and dark matter at $z < 1$. I will discuss how this understanding will be critical for characterizing some of the most important systematics that will be relevant in the LSST era, including the effects of baryons on the matter distribution, and intrinsic alignments.

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Session Classification: Open Session for Remarks and Discussions